



## ANDHRA PRADESH POLLUTION CONTROL BOARD

D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520010

Website: www.pcb.ap.nic.in

### RED CATEGORY CONSENT & AUTHORIZATION ORDER

**Consent Order No: APPCB/VJA/GTR/205/HO/CFO/2020-      Date:09/07/2020**

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 & Amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Bhavya Cements Limited (Expansion),  
Sy. No. 1172, 838-82,  
Tangeda (V), Dachepalli (M),  
Guntur District.  
Email : anandaprasad1234@gmail.com  
bhavyacements@yahoo.co.in**

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i. Outlets for discharge of effluents (**Expansion**):

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Trade Effluents	33 KLD	After primary treatment, the trade effluents shall be sent to STP for further treatment along with domestic effluents.
2	Domestic Effluents	16 KLD	After treatment in STP, the treated waste water shall be utilized on onland for irrigation within the premises.

ii) Emissions from chimneys (**Expansion**):

Chimney No.	Description of Chimney	Air Pollution Control Equipment provided
1.	Stack attached to Steam Boilers – 3 Nos (1 x 15.5 TPH - Air Quenching Cooler (AQC), 1 x 15.1 TPH - Pre-heater & 1 x 8.3 TPH Tertiary Air Duct (TAD).	----

**iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)] (Expansion):**

M/s. Bhavya Cements Limited, Guntur District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

- Hazardous Wastes Disposed for Recycling (Expansion):**

S. N	Name of Hazardous Waste	Stream	Quantity	Mode of Disposal
1	Cement Dust	----	200 Kgs / Day	Shall be recycled back into process.
2	Scrapped automobile batteries (ULAB)	----	4 No.s / Year	Shall be dispoed to authorised agencies and sent back to suppliers.
3	Used / Waste Oil	5.1 of Schedule - I	250 Ltrs / Annum	Shall be dispoed to authorised agencies.

**This consent order is valid for the following products along with quantities indicated only (Expansion) :**

S. No.	Name of the Products	Quantity
1	Waste Heat Recovery Power Plant (WHRPP) using Waste Heat recovered from Kiln, pre-heater, cooler gases and tertiary air duct	7,220 KWH (7.22 MW)

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

**This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the 31.08.2023.**

**DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER4-APPCB**

To  
M/s. Bhavya Cements Limited (Expansion),  
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Tangeda (V), Dachealli (M),  
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Copy to:

1. The JCEE, Zonal Office, **Vijayawada** for information and necessary action.
2. The EE, Regional Office, **Guntur** for information and necessary action.

**SCHEDULE – A**

1. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
2. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
3. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit the same to the Board.
4. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall be liable to pay Environmental Compensation, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
7. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.
8. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
9. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.

**SCHEDULE - B**

**Water Pollution (Expansion):**

1. The industry shall comply the following effluent standards based on the disposal points permitted:

Outlet No	Parameter	Concentration
1 & 2	pH	6.5 – 8.5
	Total Suspended Solids (TSS)	<100 mg/l
	BOD	30 mg/l
	Fecal coliform (FC) (Most Probable Number per 100 milliliter, MPN/100 ml)	<1000

2. The source of water being bore well. The following is the permitted water consumption:

S. No	Purpose	Quantity (KLD)
1	Industrial	2360.0
2	Domestic including Township	20.0
	Total	2380.0

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

3. The industry shall install online stack monitoring to all the major stacks and connect the same to the CPCB / APPCB servers, **by 30.11.2020.**
4. The industry shall provide 3<sup>rd</sup> CAAQM station, **by 30.11.2020**, in addition to the existing 2 CAAQM stations as per CFE Order, at representative location and connect CAAQM stations to the CPCB/APPCB servers for transferring of CAAQM monitoring data continuously.
5. The industry shall provide ETP for treating the waste water generated from the waste heat recovery boilers and shall increase the STP capacity from 100 KLD to 202 KLD, **by 30.11.2020.**
6. The industry shall provide closed shed for storage of lime stone, **by 30.11.2020.**
7. The industry shall treat the sewage to the Board's standards in STP and the treated sewage shall be utilized for onland irrigation and for green belt development within the premises.

**Air Pollution (Expansion):**

5. The emissions shall not contain constituents in excess of the prescribed limits mentioned below, as per notifications of MoEF&CC, GoI issued vide G.S.R.612 (E), Dt.25.08.2014 and G.S.R. 496 (E), Dt.09.05.2016 :

Chimney No.	Parameter	Emission Standards
1	Particulate Matter	30.mg/Nm <sup>3</sup>
	SO <sub>2</sub> **	100 mg/Nm <sup>3</sup>
	NOx	600 mg/Nm <sup>3</sup>

	<p>* The norms of SO<sub>2</sub> &amp; NO<sub>x</sub> shall be applicable to kiln only</p> <p>** Assuming pyritic sulphur to the limestone is less than 0.25 %</p>
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6. The industry shall provide concrete roads within the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads. The compliance shall be followed with respect to production capacity of the plant and to submit timely report to the Regional Office, Guntur.
7. The industry shall provide interlocking system for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped in case of failure of the air pollution control equipments.
8. The industry shall maintain adequate dust collection and extraction system to control fugitive emissions at various material transfer points & the dust collected from pollution control equipments shall be recycled back into the process. The compliance status shall be reported to RO, Guntur.
9. The industry shall ensure implementation of requisite measures to prevent air pollution in the surrounding area and shall develop avenue plantations along the roads and available vacant spaces in coordination with local panchayats.
10. The industry shall comply with ambient air quality standards of PM<sub>10</sub> (Particulate Matter size less than 10mm) - 100 mg/ m<sup>3</sup>; PM<sub>2.5</sub> (Particulate Matter size less than 2.5 mm) - 60 mg/ m<sup>3</sup>; SO<sub>2</sub> - 80 mg/ m<sup>3</sup>; NO<sub>x</sub> - 80 mg/m<sup>3</sup>, outside the factory premises at the periphery of the industry.  
Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009 and its subsequent amendments thereof.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

11. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.

**General:**

14. The industry shall maintain the log books for Effluents generated, treated and used for Green Belt development, Log Books for pollution control systems, Characteristics of ambient air, effluents and emissions, Hazardous/non hazardous solid waste generated, disposed and incinerated etc. and the same shall be made available to the inspecting officers of the Board.

15. The industry shall dispose solid waste (NON HAZARDOUS ) as follows

S. No	Name of the Solid Waste	Expansion Quantity	Disposal
1	Coal Ash	130 TPD	Manufacturing of PPC

16. The industry shall inform the usage of pet coke as fuel in the process in future with prior intimation to the Board and furnish details of utilization of pet coke, every month to RO, Guntur.

- 17.The industry is introducing the plastic into the market along with their products which attracts Plastic Waste Management Rules, 2016 & its amendments thereof, the industry shall obtain registration and furnish EPR plan for collection of the plastic waste.
- 18.The industry shall dispose the plastic waste generated from the damaged and waste sacks of cement packaging unit as per Plastic Waste Management Rules, 2016 & its amendments thereof.
- 19.The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., for noise generating sources.
- 20.The industry shall comply with the conditions issued in earlier CFE (Expansion) Order, which are not covered in this Order.
- 21.The industry shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
- 22.The industry shall comply with the standards stipulated for Air & Water, in case of non compliance, the industry is liable for Environmental Compensation, as per the Central Pollution Control Board (CPCB) assessing methodology of Environmental Compensation.
- 23.The industry shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1<sup>st</sup> of January and July of every year to the RO / ZO.

**SCHEDULE – C**

***[See rule 6 (2)]***

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR  
HANDLING HAZARDOUS WASTES]**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorised person shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
13. The authorised person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
14. The authorised person shall maintain proper records for Hazardous & other wastes stated in Authorization in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.
15. The authorised person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office and concerned Regional Office.

**DR. B.MADHUSUDHANA RAO, JCEE(MSRB), O/o JOINT CHIEF  
ENVIRONMENTAL ENGINEER4-APPCB**

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